

No.

8300166



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Svalöf AB

Whereas, THERE HAS BEEN PRESENTED TO THE

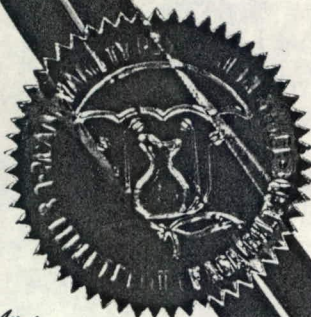
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (7 U.S.C. 2321 ET SEQ.)

KENTUCKY BLUEGRASS

'Amazon'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 25th day of January in the year of our Lord one thousand nine hundred and eighty-five.

Attest

Kenneth H. Wilson
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

John R. Block
Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions on reverse)

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

FORM LMGS-470 (9-81) (Edition of 1-78 is obsolete)

INSTRUCTIONS

General: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Department of Agriculture, Agricultural Marketing Service, Livestock, Meat, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

Item

- 9 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 14a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- 14b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 14c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 14d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 15 If "Yes" is specified (*seed of this variety be sold by variety name only as a class of certified seed*) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "No," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 16 See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

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Exhibit AOrigin and History of Amazon (P.024) Kentucky bluegrass.

- 1970 Sowing of seeds collected in Tovared/Halland, southwest Sweden.
- 1972 Seeds harvested from sowing 1970.
195 g (lot 873).
- 1973 Sowing of a multiplication 150 sqm, field number 73395.
- 1974 Seed yield from 73395 12.7 kg.
- 1975 Seed yield from 73395 23.0 kg.
- 1976 Planting of 100 singleplants, originating from lot 873, field number 76514.
- 1977 90 plants were selected in 76514 and seed was harvested separately from each plant.
- 1978 From the seed harvested of each one of the 90 plants, 25 singleplants were planted, totally 2250 plants, fieldnumbers 78402, 78403 and 78404.
- 1979 Out of the 90 singleplant rows 38 were selected with totally 770 plants from which in 1980 and 1981 the following amounts of seed were harvested.
- 1980 Seed yield from 78402 - 4 = 8,5 kg.
- 1981 Seed yield from 78402 - 4 = 9,0 kg
- " Planting of singleplants originating from 1980 : 78402 - 4 for production of Breeders seed. Field number 81601.
- " Machine sowing of seeds from 1980 : 78402 - 4 for production of Breeders seed. Field number 81602.

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Variants during reproduction

Amazon is not yet marketed and therefore it is not yet in any big scale multiplications.

In the production of breeder's seed consisting of 3920 single plants, there have been found 36 plants of a variant that distinguishes from Amazon through:

- broader leaves
- earlier maturity
- higher tuft growth

Evidence on uniformity and stability

Amazon has received plant protection in Sweden and was tested at the Swedish Official Seed Testing Institute for distinctness, uniformity and stability. Their test report is attached and here follows translation of point 10 which is a summary:

- a) The variety can be distinguished from all other varieties known by us.
- b) The variety has sufficient homogeneity with respect to its way of reproduction.
- c) The variety is stable in all important characters.



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Novelty declaration.

We, the undersigned, applying for protection of a plant variety of the species *Poa Pratensis*, denominated Amazon hereby declare that the plant variety is a novelty and at the date of application has not been commercialized in any country.

Among varieties released in Sweden, Amazon is most similar to Nugget. Amazon is distinguished from Nugget by:

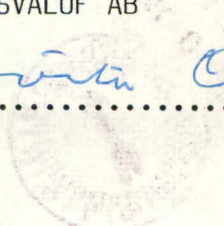
1. Earlier spring green up.
2. Taller plants.
3. Slower vertical growth rate.
4. A more erect growth habit.

Svalöv

SVALÖF AB

Arvid Olsson

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8200150



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN, & SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Bluegrass)

OBJECTIVE DESCRIPTION OF VARIETY
BLUEGRASS (*Poa* spp.)

NAME OF APPLICANT(S) Svalöf AB	TEMPORARY DESIGNATION	VARIETY NAME Amazon
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) S-268 00 Svalöv Sweden		OFFICIAL USE ONLY PVPO NUMBER 8300166

Select the number which characterizes the variety in the features described below. For measured characteristics use leading zeros as necessary in order to fill all blanks (e.g., 09, 081). Those characteristics marked with a star ★ are preferred to be recorded. Any others should be recorded to help establish novelty or uniqueness. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used: test area: Sweden 2 x 20 spaced plants. Describe location of test area, conditions, and number of plants used: test area: Sweden 2 x 20 spaced plants

1. SPECIES:

<input type="text" value="2"/>	1 = <i>Poa compressa</i>	2 = <i>P. pratensis</i>	3 = <i>P. trivialis</i>	4 = Others (Specify) _____
<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	Chromosome number			

2. ADAPTATION: (0 = Not tested, 1 = Not adapted, 2 = Adapted, 3 = Well adapted)

<input type="text" value="0"/>	Northeast	<input type="text" value="0"/>	Transitional zone	<input type="text" value="0"/>	Southeast	<input type="text" value="0"/>	North Central
<input type="text" value="0"/>	Pacific N.W.	<input type="text" value="0"/>	Intermountain	<input type="text" value="0"/>	Southwest (CA., AZ.)		
<input type="text" value="0"/>	Other (Specify) _____						

3. MATURITY (At first anthesis): Give test area Sweden

★ <input type="text" value="4"/>	1 = Very early	2 = Early (Delta, Mystic)	3 = Medium early (Fylking, Nugget)
	4 = Medium late (Newport, Adelphi, Aquila)	5 = Late (Merion, Baron, Enmundi)	
	6 = Very late (Pacific)		

		Date of First Anthesis			
<input type="text" value="0"/> <input type="text" value="3"/>	Number of days earlier than	★ <input type="text" value="4"/>	1 = Nugget	2 = Fylking	3 = Delta
	Maturity same as	★ <input type="text" value="5"/>	4 = Merion	5 = Newport	6 = Baron
<input type="text" value="0"/> <input type="text" value="3"/>	Number of days later than	★ <input type="text" value="2"/>	7 = Mystic	8 = Sabre	9 = Reubens

4. PLANT HEIGHT (At maturity-Average of longest shoot of 10 plants from soil surface to top of panicle): Test area South Sweden

★ <input type="text" value="2"/>	1 = Short (Nugget)	2 = Medium short (Baron, Fylking, Mystic)				
	3 = Medium tall (Merion, Adelphi)	4 = Tall (Delta)	5 = Very tall			
★ <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="1"/>	cm Height					
<input type="text" value="2"/> <input type="text" value="1"/>	cm Shorter than	★ <input type="text" value="4"/>	1 = Nugget	2 = Fylking	3 = Delta	4 = Merion
	Height same as	★ <input type="text" value="2"/>	5 = Newport	6 = Baron	7 = Mystic	8 = Sabre
<input type="text" value="1"/> <input type="text" value="1"/>	cm Taller than	★ <input type="text" value="1"/>	9 = Reubens			

5. GROWTH HABIT:

★ <input type="text" value="2"/>	Habit: 1 = Prostrate (Nugget)	2 = Semi-prostrate (Merion)	3 = Erect (Delta)
<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	cm Amount of spread by rhizomes in 1 year (give test area _____)		

12. DISEASE RESISTANCE (Continued)

Flag Smut Urocystis agropyri

Pink Snow Mold Fusarium nivale

Ergot Claviceps purpurea

* Fusarium Blight Fusarium roseum, F. tricinatum

Typhula Blight Typhula spp.

Dollar Spot Sclerotinia homoeocarpa

Pythium Blight Pythium spp.

Red Thread Corticium fuciforme

Other _____

Other _____

13. INSECTS, NEMATODES, RESISTANCE: (0 = Not tested; 1 = Very susceptible; 2 = Moderately susceptible; 3 = Moderately resistant; 4 = Highly resistant)

Chinch Bug Blissus spp. (give species: _____)

Sod Webworm Crambus spp. (give species: _____)

Bluegrass Billbug Sphenophorus parvulus _____)

White Grub (Japanese Beetle, Chafer. (give species: _____)

Greenbug Aphid Schizaphis graminum

Other _____

Other _____

14. Give variety or varieties that most closely resemble the application variety. For the following characteristics indicate Degree of Resemblance by placing in the column marked D.R., one of the following numbers: 1 = Application variety is less than comparison variety; 2 = Same as; 3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Maturity-heading	Cheri	2	Leaf width		
Height	Nugget	3	Leaf color spring	Nugget	3
Seed size			Leaf color summer	Nugget	3
Seed weight	Cheri	2	Leaf color winter		
Cold injury			Drought	Nugget	2
Heat			Disease ★ ★ A	Fylking	3
Shade			" B	Fylking	3

★★ Specify each disease evaluated. A. Erysiphe graminis B. Fusarium nivale

15. ADDITIONAL DESCRIPTION:

Describe all characteristics and conditions that cannot be adequately described in this form in Exhibit D.

Exhibit D.

Swedish official trials, evaluations 1977 - 80. Average from all trials, relative figures. (Rating 0-9, 9=best).

	Density	Turf quality	Over-wintering
Primo (100)	4.35	3.78	5.6
Baron	115	120	116
Cheri	125	130	120
Nugget	152	153	114
Pennstar	127	137	116
Sydsport	145	147	123
Touchdown	157	163	114
Amazon	169	170	116

South Sweden, absolute figures.

	Drought resistance	Tillers/dm ²	Height growth in cm <i>RATE one Season</i>
Primo	3.4	159	86
Baron	6.3	167	81
Cheri	2.6	187	79
Nugget	8.3	271	72
Pennstar	5.6	182	90
Sydsport	6.1	195	76
Touchdown	6.7	257	81
Amazon	7.1	266	69

^ QJW 10/7/83

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